

Date: June 7, 2000

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# 2 S. HOOVER 9/18/00

Form PTO-1449  
(REV. 8-83)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY. DOCKET NO.  
MIOPT-005XX

APPLICATION NO.

jc836 U.S. PTO  
09/589299



APPLICANT: Mark B. Spitzer

FILING DATE: Herewith

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
mgm	Des. 195,365	06/04/63	Holt	D57	1	
mgm	3,192,826	07/06/65	Papke	88	1.5	
mgm	3,216,308	11/09/65	Northcutt	88	1	
mgm	3,229,580	01/18/66	Mitchell	88	86	
mgm	3,524,710	01/19/67	Rickert	356	251	
mgm	3,610,825	10/05/71	Fritzel	178	7.8	
mgm	3,787,109	01/22/74	Vizenor	350	302	
mgm	3,885,095	05/20/75	Wolfson et al.	178	7.88	
mgm	3,915,548	10/28/75	Opitek et al.	350	3.5	
mgm	3,923,370	12/02/75	Mostrom	350	55	
mgm	3,936,605	02/03/76	Upton	179	1 SP	
mgm	3,940,204	02/24/76	Withrington	350	3.5	
mgm	Re.28,847	06/08/76	Vizenor	350	302	
mgm	4,052,073	10/04/77	Miller	273	148 R	
mgm	4,082,432	04/04/78	Kirschner	350	174	
mgm	4,195,915	04/01/80	Lichty et al.	350	345	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
301,672	12/06/28	United Kingdom	350	286	X
DE 22 05 325 C2	04/05/73	Germany	356	251	X

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

mgm	"The Wearable PC, Wired for wear: IBM researchers demonstrate a wearable ThinkPad Prototype", www.ibm.com/News/Is/1998/09/jp-3.phtml.
	"Technical Prototype, See the specifications for IBM's new wearable PC Prototype", www.ibm.com/News/Is/1998/09/jp-4.phtml.
mgm	Albacom Computers Corp., "Personal Monitor" brochure.

EXAMINER

Michael J. Meyer

DATE CONSIDERED 09/10/12

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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MIOPT-005XX

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
mgz	4,218,111	8/19/80	Withrington	350	3.72	
mgz	4,447,128	5/8/84	Ferrer	350	174	
mgz	4,550,984	11/05/85	Reymond	350	404	
mgz	4,664,475	05/12/87	Ferrer	350	174	
mgz	4,665,385	05/12/87	Henderson	340	539	
mgz	4,722,601	02/02/88	McFarlane	356	152	
mgz	4,751,691	06/14/88	Perera	368	10	
mgz	4,753,514	06/28/88	Kubik	350	174	
mgz	4,799,765	01/24/89	Ferrer	350	174	
mgz	4,806,001	02/21/89	Okabe et al.	350	432	
mgz	4,806,011	02/21/89	Bettinger	351	158	
mgz	4,818,048	04/04/89	Moss	350	3.7	
mgz	4,826,287	05/02/89	Cook et al.	350	174	
mgz	4,852,988	08/01/89	Velez et al.	351	210	
mgz	4,853,306	08/01/89	Wreede et al.	430	1	
mgz	4,867,551	09/19/89	Perera	351	158	
mgz	4,869,575	09/26/89	Kubik	350	174	
mgz	4,968,117	11/6/90	Chern et al.	350	162.24	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

mgz	Ferrin, Frank J., "An update on optical systems for military head mounted displays", presented at SPIE's "AeroSense", April 5-9, 1999, 8 pages.
	Rotier, Donald J., "Optical Approaches to the Helmet Mounted Display", SPIE vol. 1116 Helmet-Mounted Displays (1989), pp.14-18.

EXAMINER

Richard P. May

DATE CONSIDERED

07/09/02

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
mgz	4,973,132	11/27/90	McDonald et al.	350	174	
	4,973,139	11/27/90	Weinhrauch et al.	350	345	
	5,003,300	03/26/91	Wells	340	705	
	5,013,134	05/07/91	Smith	350	174	
	5,028,119	07/02/91	Hegg et al.	350	174	
	5,044,709	09/03/91	Smith et al.	359	13	
	5,050,962	09/24/91	Monnier et al.	359	13	
	5,053,755	10/01/91	Smith et al.	340	705	
	5,129,716	07/14/92	Holakovszky et al.	351	50	
	5,138,470	08/11/92	Moss et al.	359	13	
	5,162,828	11/10/92	Furness et al.	353	122	
	5,212,471	05/18/93	McDonald	340	705	
	5,214,425	05/25/93	Wreede	340	980	
	5,231,379	07/27/93	Wood et al.	340	705	
	5,281,957	01/25/94	Schoolman	345	8	
	5,281,960	01/25/94	Dwyer III	345	31	
mgz	5,309,169	05/03/94	Lippert	345	8	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

mgz	Ditlea, Steve, "Inside Big Blue", Popular Mechanics, Dec. '98, pp. 54-59.
	"Mission Impossible: Video Glasses and Sunglasses, The Absolute Ultimate In Covert Video Surveillance", <a href="http://www.pimall.com/nais/e.vsunglass.html">www.pimall.com/nais/e.vsunglass.html</a> , 10/27/98, pp. 1-4.

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APPLICANT: Mark B. Spitzer

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
myr	5,320,538	06/14/94	Baum	434	307	
	5,325,386	06/28/94	Jewell et al.	372	50	
	5,334,991	08/02/94	Wells et al.	345	8	
	5,348,477	09/20/94	Welch et al.	434	43	
	5,359,669	10/25/94	Shanley et al.	382	6	
	5,367,345	11/22/94	DaSilva	351	123	
	5,369,415	11/29/94	Richard et al.	345	6	
	5,381,267	1/10/95	Woody	359	632	
	5,384,654	01/24/95	Iba	359	364	
	5,392,158	02/21/95	Tosaki	359	633	
	5,416,876	05/16/95	Ansley et al.	385	116	
	5,455,591	10/03/95	Hui	342	185	
	5,459,612	10/17/95	Ingleton	359	630	
	5,469,185	11/21/95	Lebby et al.	345	8	
	5,491,510	02/13/96	Gove	348	77	
	5,506,728	04/09/96	Edwards et al.	359	629	
	5,519,410	05/21/96	Smalanskas et al.	345	7	
myr	5,537,253	07/16/96	Cox et al.	359	630	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

Michael J. Ryan

DATE CONSIDERED

09/09/02

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APPLICANT: Mark B. Spitzer

FILING DATE: Herewith

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
mgz	5,539,578	07/23/96	Togino et al.	359	630	
	5,579,148	11/26/96	Nishikawa et al.	359	214	
	5,583,590	12/10/96	Clupper	351	200	
	5,585,871	12/17/96	Linden	351	158	
	5,589,846	12/31/96	Kobayashi	345	8	
	5,596,451	1/21/97	Handschy et al.	359	633	
	5,606,743	02/25/97	Vogt et al.	455	347	
	5,610,765	03/11/97	Colucci	359	633	
	5,629,790	05/13/97	Neukermans et al.	359	198	
	5,648,789	07/15/97	Beadles et al.	345	8	
	5,654,827	08/05/97	Reichert	359	631	
	5,654,828	08/05/97	Togino et al.	359	633	
	5,671,037	09/23/97	Ogasawara et al.	351	158	
	5,673,139	09/30/97	Johnson	359	291	
	5,682,173	10/28/97	Holakovszky et al.	345	8	
	5,712,649	1/27/98	Tosaki	345	8	
	5,717,479	02/10/98	Rickards	351	158	
	5,719,588	02/17/98	Johnson	345	8	
mgz	5,744,788	04/28/98	Metlitsky et al.	235	454	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
mgz	07/09/02

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APPLICATION NO.

APPLICANT: Mark B. Spitzer

FILING DATE: Herewith

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
<i>mgn</i>	5,751,493	05/12/98	Hur	359	630	
	5,886,822	03/23/99	Spitzer	359	630	
	4,902,083	02/20/90	Wells	350	6.6	
	4,934,773	06/19/90	Becker	350	6.6	
	5,184,250	02/02/93	Lacroix	359	631	
	6,023,372	02/08/00	Spitzer et al.	359	630	
	5,653,751	08/05/97	Samiy et al.	623	4	
	4,649,434	03/10/87	Weinblatt	358	250	
<i>mgn</i>	5,446,507	08/29/95	Chang	351	158	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

*Michael J. May*

DATE CONSIDERED

*09/02/02*

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Date: September 19, 2001

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Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
MIOPT-005XXAPPLICATION NO.  
09/589,299

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT: Mark B. Spitzer

FILING DATE: : 6/07/00

GROUP: 2775

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
mp	4,704,000	11/03/87	Pekar et al.	350	145	
mp	6,081,304	06/27/00	Kuriyama et al.	348	838	
mp	5,880,888	03/09/99	Schoenmakers et al.	359	631	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

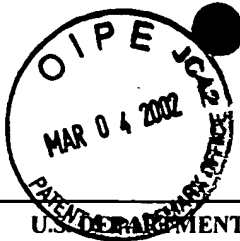

EXAMINER

Michael J. May

DATE CONSIDERED

09/15/02

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Date: February 21, 2002  
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Form PTO-1449  
(REV. 8-83)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
MIOPT-005XX

APPLICATION NO.  
09/589,299

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT: Mark B. Spitzer

FILING DATE: 6/07/00

GROUP: 2775

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
<i>mgn</i>	6,005,536	12/21/99	Beadles et al.	345	7	

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Technology Center 2600

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

*Michael J. May*

DATE CONSIDERED

*09/02/02*

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Date: July 25, 2002

Page 1 of 1

Form PTO-1449

(REV. 07/01)

U.S. DEPARTMENT OF COMMERCE

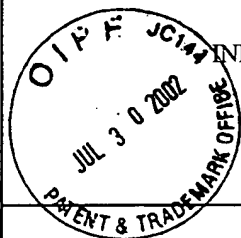
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

MIOPT-005XX

APPLICATION NO.

09/589,299



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT: Mark B. Spitzer

FILING DATE 6/7/2000

GROUP: 2775

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*

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Technology Center 2600

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
mjm	WO 99/23524	05/14/99	WIPO			X
mjm	WO 98/15868	04/16/98	WIPO			X
mjm	EP 0 344 881 A2	12/06/89	EPO			X
mjm	WO 99/23525	05/14/99	WIPO			X
mjm	EP 0 871 054 A2	10/14/98	EPO			X
mjm	EP 0 535 402 A1	04/07/93	EPO			X

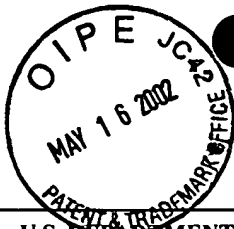
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7/23/02

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# 16

Date: May 13, 2002

Page 1 of 1

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(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
MIOPT-005XXAPPLICATION NO.  
09/589,299

## INFORMATION DISCLOSURE CITATION

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APPLICANT: Mark B. Spitzer

FILING DATE: 6/07/00

GROUP: 2775

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
mgm	5,644,323	07/01/97	Hildebrand et al.	345	8	
	6,094,181	07/25/00	Hildebrand et al.	345	....8	
	5,757,348	05/26/98	Handschy et al.	345	89	
	3,744,049	07/03/73	Luce	340	336	
	5,548,832	08/20/96	Karam	455	226.4	
	6,023,253	02/08/00	Taniguchi et al.	345	....7	
	5,596,339	01/21/97	Furness III et al.	345	....8	
	6,140,983	10/31/00	Quanrud	345	..55	
	5,911,010	06/08/99	Nakajima	382	239	
mgm	5,973,692	10/26/99	Knowlton et al.	345	348	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)


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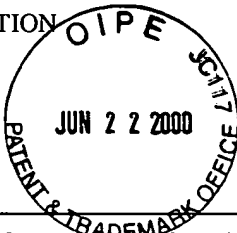
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DATE CONSIDERED

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#8

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INFORMATION DISCLOSURE CITATION  (Use several sheets if necessary)								
U.S. PATENT DOCUMENTS					APPLICANT: Mark B. Spitzer			
					FILING DATE: 6/7/00		GROUP	
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*	
							RECEIVED OCT 19 2000 TO 2100 MAIL ROOM	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)								
mjm		Video I/O interface for wearable computers, M.B. Spitzer et al., Proceedings of SPIE Conference 3689, Helmet and Head-Mounted Displays IV, Orlando, Florida, April 5 and 6, 1999.						
EXAMINER					DATE CONSIDERED			
Michael J. May					09/09/02			
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#9

Date: August 14, 2000

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mgn	5,626,410	05/06/97	Chambers et al.	353	94	
mgn	5,808,589	09/15/98	Ferguson	345	8	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

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EXAMINER

Michael J. Myers

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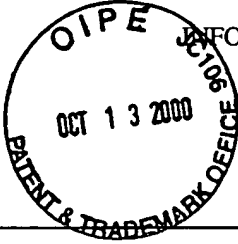
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
mg	4,884,137	11/28/89	Hanson et al.	358	108	
mg	4,988,183	01/29/91	Kasahara et al.	351	210	

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

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EXAMINER

*Michael J. Meyer*

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9/09/02

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#11

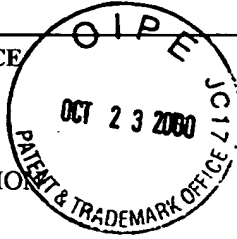
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GROUP: 2775

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
	6,005,720	12/21/99	Watters et al.	359	633	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)


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Michael G. Meyer

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1/09/02

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#12

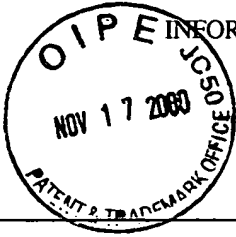
Date: November 15, 2000  
Page 1 of 1

Form PTO-1449  
(REV. 8-83)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
MIOPT-005XX

APPLICATION NO.  
09/589,299



INFORMATION DISCLOSURE CITATION

*Use several sheets if necessary*

APPLICANT: Mark B. Spitzer

FILING DATE: 6/07/00

GROUP: 2775

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
ng DE 36 23 206 A1	01/21/88	Germany			X

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EXAMINER

*Michael J. May*

DATE CONSIDERED

*9/9/00*

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Date: January 2, 2001  
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Form PTO-1449  
(REV. 8-83)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
MIOPT-005XX

APPLICATION NO.  
09/589,299



INFORMATION DISCLOSURE CITATION

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APPLICANT: Mark B. Spitzer

FILING DATE: 6/07/00

GROUP: 2775

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
mgm DE 36 23 206 A1	01/21/88	Germany			X

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EXAMINER

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## INFORMATION DISCLOSURE CITATION

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ATTY. DOCKET NO.

MIOPT-005XX

APPLICATION NO.

09/589,299

APPLICANT: Mark B. Spitzer

FILING DATE: 6/07/00

GROUP: 2775

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
mgm	4,961,626	10/90	Fournier et al.			

## FOREIGN PATENT DOCUMENTS

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## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)


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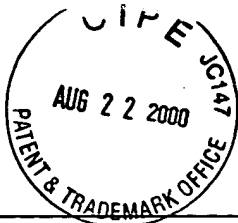
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#6

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MIOPT-005XX

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
mpm	6,091,546	07/18/00	Spitzer	359	618	
mpm	5,699,194	12/16/97	Takahashi	359	633	
mpm	5,991,103	11/23/99	Togino	359	834	
mpm	5,815,326	09/29/98	Takahashi	359	729	
mpm	6,081,304	06/27/00	Kuriyama et al.	348	838	
mpm	5,943,171	08/24/99	Budd et al.	359	631	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

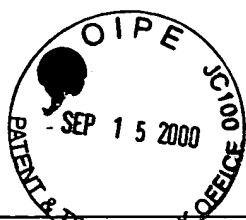

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#4 S. HOOVER 9/27/00

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Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
MIOPT-005XXAPPLICATION NO.  
09/589,299

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## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

<i>ms</i>	Real-Time American Sign Language Recognition: Using Desk and Wearable Computer Based Video, Thad Starner et al., Perpetual Computing TR#466, MIT Media Lab., to appear IEEE PAMI 98, submitted 4/26/96.
<i>ms</i>	'WearCam' (The Wearable Camera): Personal Imaging Systems for long-term use in wearable tetherless computer-mediated reality and personal Photo/Videographic Memory Prosthesis, Steve Mann, Digest of Papers of the Second International Symposium on Wearable Computers, Oct. 19-20, 1998, Pittsburgh, PA, pp. 124-131, sponsored by IEEE Computer Society Task Force on Wearable Information Systems.

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MAIL ROOMATTY. DOCKET NO.  
MIOPT-005XXAPPLICATION NO.  
09/589,299

INFORMATION DISCLOSURE CITATION

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APPLICANT: Mark B. Spitzer

FILING DATE: 6/07/00

GROUP: 2775

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
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mg	5,973,845	10/26/99	Hildebrand et al.	359	630	

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EXAMINER

Mark B. Spitzer

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